

Listing of Claims

1-10 (Canceled)

11. (Currently Amended) An outer rotor ~~having comprising:~~

a rotor frame with a bottom[[,]] ~~and~~ a side wall extended from a circumference of the bottom substantially perpendicular to the bottom[[,]]; and

magnets mounted on an inside of the side wall,

wherein the bottom ~~of the rotor frame is elevated in a direction of extension of the side wall on the whole, and includes pass-through holes radially formed in the bottom and a plurality of cooling fins projecting from one side of respective ones of the pass-through holes toward an outside of the outer rotor, and~~

~~wherein at least a portion of the side wall circumscribes the cooling fins and is formed with a height that is at least substantially equal to or greater than that of the cooling fins the rotor frame includes a plurality of cooling fins projected from the bottom to a direction opposite to a direction of extension of the side wall, and a plurality of pass through holes formed in the bottom.~~

12. (Canceled)

13. (Currently Amended) The outer rotor as claimed in claim 11, wherein the cooling fins ~~are [[is]] sloped by an at one or more predetermined angles~~ from the bottom of the rotor frame.

Reply to Office Action of April 8, 2009

14. (Currently Amended) The outer rotor as claimed in claim 13, wherein the cooling fins are [[is]] formed at one side of respective ones of the pass-through holes on an opposite side of a rotation direction of the a motor including the outer rotor at the a time of spinning.

15. (Currently Amended) The outer rotor as claimed in claim 14, wherein the cooling fins project at substantially has a right angles, upright, from the bottom of the rotor frame; substantially.

16. (Currently Amended) The outer rotor as claimed in claim 14, wherein the cooling fins project at one or more has an acute angles from a horizontal plane of respective ones of the pass-through holes in the bottom of the rotor frame.

17. (Currently Amended) An outer rotor as claimed in claim 11, having a rotor frame with a bottom, a side wall extended from a circumference of the bottom substantially perpendicular to the bottom, and magnets mounted on an inside of the side wall, wherein the bottom of the rotor frame is elevated in a direction of extension of the side wall on the whole, and the rotor frame includes a plurality of cooling fins projected from the bottom to a direction opposite to a direction of extension of the side wall, and a plurality of pass through holes wherein the cooling fins are simultaneously formed in the bottom together with the pass-through holes by lancing at the same time with the pass through holes.

Reply to Office Action of April 8, 2009

18-20 (Canceled)

21. (New) The outer rotor as claimed in claim 11, wherein the magnets are mounted on a first portion of the side wall that extends in a first direction relative to the bottom and the cooling fins extend in a second direction relative to the bottom.

22. (New) The outer rotor as claimed in claim 21, wherein the second direction is opposite to the first direction

23. (New) The outer rotor as claimed in claim 21, wherein the first portion of the side wall extends on one side of the bottom and a second portion of the side wall extends on an opposing side of the bottom, and wherein a height of the second portion of the side wall is at least substantially equal to or greater than a height of the cooling fins.

24. (New) The outer rotor as claimed in claim 23, wherein a surface of each of the cooling fins located opposite the pass-through holes lies in substantially a same plane as an end surface of the second portion of the side wall.

25. (New) The outer rotor as claimed in claim 24, wherein a bottom surface of the magnets are supported by a surface of the first portion of the side wall, said surface of the first portion of the side wall spaced from the bottom by a predetermined distance.

26. (New) The outer rotor as claimed in claim 11, wherein a first cooling fin projects at a first acute angle relative to the bottom and an adjacent second cooling fin projects at a second acute angle relative to the bottom.

27. (New) The outer rotor as claimed in claim 26, wherein the first and second cooling fins project in directions that are at least substantially parallel to one another.

28. (New) The outer rotor as claimed in claim 26, wherein the first and second cooling fins project in opposite directions.

29. (New) The outer rotor as claimed in claim 26, wherein the first acute angle is at least substantially same as the second acute angle.

30. (New) The outer rotor as claimed in claim 26, wherein the first and second acute angles are complementary angles.

31. (New) The outer rotor as claimed in claim 23, wherein the cooling fins are spaced from the second portion of the side wall.